

# Security at Chapman's Bay Estate heats up.

Axis thermal cameras safeguards luxury residential estate.



**Organization:**

Chapman's Bay

**Location:**

Noordhoek, Western Cape,  
South Africa

**Application:**

Safety and security

**Axis partner:**

Innoza Group

**Mission**

Chapman's Bay estate is a unique, low-density, security estate set up against a private bay. The estate offers their client spacious homes with spectacular bay –and Table Mountain views. The estate is a one of its kind and can boast being eco-friendly and one of the most secure estates in the surrounding area. In order to maintain this harmony and serenity, it is necessary to ensure that homeowners and their properties are thoroughly protected. The only way to achieve this is through the deployment of an advanced security system supported by cutting-edge products. Doing so, involved clearing a number of security concerns including the vast perimeter of the estate. An effective early warning detection system of the utmost importance, because of threats that could possibly intrude along the neighbouring mountain.

**Solution**

Innoza Group, the security system integrator for Chapman's Bay estate, selected Axis thermal network cameras to overcome the challenge of providing a surveillance solution, within a completely dark environment.

The estate required the use of smart analytics for detection and the ability to send out alerts, if an intruder was detected. Another important requirement was minimal false alarms. Axis was the clear solutions provider choice on this front as well, because it offers one of the most advanced analytical software, Axis Perimeter Defender, and according to the Innoza Group, offer a much more user friendly experience to the end user.

**Result**

The absence of illumination no longer hinders the detection and apprehension of possible intruders. In addition, residents of Chapman's Bay estate can enjoy the peacefulness and splendour of their bay-side vistas knowing that they have an edge where security starts – at the perimeter of the estate. The installation of this state of the art surveillance system will most certainly decrease any possible breaches of the perimeter.

**“The Axis thermal cameras are an integral part of our security measures because they helped make a challenging installation simple, whilst providing the Rolls Royce in surveillance systems, quality products and user friendliness at the same time. This culminated in a very effective perimeter defender and analytics setup that delivered very little false alarms and no perimeter breaches.”**

says Daniel Van De Venter, the Managing Director at Innoza Group.

### 24 hour, 7 days a week detection

A total of 22 thermal cameras were used with each one overlapping each other, to ensure that the whole perimeter is covered with zero blind spots. Thanks to a superb thermal image contrast the AXIS Q1941-E reliably detects and gives a fast verification of the situation especially in the instance of perimeter surveillance. Since thermal cameras are less sensitive to problems with light conditions and shadows, they can achieve higher accuracy and less false alarms than conventional cameras in most applications.

Furthermore, a Pan Tilt and Zoom Camera was also fitted at the highest point of the estate, to react to alerts, and provide enhanced visual support for patrolling the area. Innoza Group selected the AXIS Q6115 due to its high-performing PTZ dome, offering HDTV 1080p, 30x optical zoom, and fast and precise pan/tilt performance, for wide area coverage and great detail when zooming in.

The Sharpdome technology of AXIS Q6115 includes Axis' unique Speed Dry function that will help to provide sharp images in rainy weather. Moreover, it can also simplify dome cleaning, allowing for more efficient methods such as high pressure cleaning.

Reliable PTZ operation means that this camera sports IP66-rated protection against dust and strong water jets and it has been designed for reliable, weatherproof installation with built-in protection against dust, rain, snow and sunlight (IP66- and NEMA 4X-rated), and impact resistance (IK 08-rated).

Additionally, the camera is further protected with shock detection, a capability that sends an alarm in the event of attempted vandalism or prospective intruders tampering with the surveillance systems.

### Delivering more footage that matters, whilst reducing data storage needs

A thermal camera is mainly used for video analytics and detection in those restricted areas, where no one should trespass or walk around. Based on these premises, the video shows no motion at all, unless an intruder is detected.

Supporting Axis Zipstream technology, AXIS Q1941-E filters out those areas with no motion, and it can focus on the parts of the image that are moving. This significantly reduces the bandwidth and storage required. This is crucial because the Chapman's Bay estate site is monitored on- and off site. The security guards on site use the system and then there is another off-site monitoring company that monitors and responds to incidents. The footage is stored on a local- and off site server.

### More surveillance capabilities, greater levels of security

There are already plans to expand the already capable surveillance security system. The estate will add more IP cameras to cover risk areas.

Additionally, there are also other sites planned for similar installations. Innoza Group is going to a world renowned estate in George soon to finalise another solution.

